SONY

DCR-DVD405

DVD Handycam® Camcorder

▲ Step-up

Experience true power and vivid detail while recording and reliving your stills and videos with the 3.0 Megapixel Imager and 30mm Carl Zeiss® Vario-Sonnar® T* Lens. The DCR-DVD405 also lets you relive your home movies just as they happened in Dolby Digital 5.1ch Surround Sound.

▲ **3.3 Megapixel (Gross) Advanced HAD™ CCD Imager**
1/3" Advanced HAD™ (Hole Accumulation Diode) CCD with 2048K (effective) pixels provides stunning detail and clarity with exceptional video (up to 530 lines of horizontal resolution) and still image performance. The Megapixel technology enhances your digital videos and digital still (3048K) photography performance.

— **DVD Format Video Recording**[2]
The DVD recording format delivers digital picture and sound quality comparable to that of MiniDV, but on DVD. Playback of the DVDs couldn't be simpler. After finalizing the disc in the camcorder, the disc can play back in most DVD Players, computers and even PlayStation® 2 video game consoles.

— **DVD-R/RW and RW Compatible**[6]
The DCR-DVD405 is compatible with a variety of DVD formats allowing the ease of use and simplicity found in DVD Media. With DVD RW media there is not a need to finalize the disc (minimum recording required). Simply remove the disc and insert the media into a compatible DVD Player.

— **10X Optical/120 Digital Zoom**
The optical zoom helps to bring the action close up from far away. In addition, the Digital Zoom interpolation means that extreme digital zooming is clearer, with less distortion than previous types of digital zooms.

▲ **Professional Quality Carl Zeiss® Vario-Sonnar® T* Lens**
Carl Zeiss lenses have an advanced optical multi-layer coating that offers less glare and flare with increased contrast. This results in vivid image brilliance, true-to-life color saturation and perfect renditions of subtle tones. The additional T* coating on the lens further reduces unwanted glare and flare.

▲ **Dolby Digital 5.1ch Recording**
The DCR-DVD405 will record in Dolby Digital 5.1ch surround sound with a built-in microphone. By recording in 5.1 channel surround sound you can now experience your home movies with active sounds coming from all directions. Enjoy your personal home movies the way you experienced them while recording.

— **2.7" Wide Touch Panel SwivelScreen™ LCD Display (123K Pixels)**
The 2.7" Wide (16:9) LCD screen provides excellent viewing clarity with improved resolution. The high resolution 123K pixel LCD screen rotates up to 270 degrees for multiple viewing angles providing sharp, detailed images for monitoring or playback, and the widescreen format makes shooting in 16:9 mode and composing shots even easier.

— **Digital Still Memory Mode with Memory Stick Duo™ Media**[5]
Capture still images up to 2016x1512 resolution, directly onto Memory Stick Duo™ Media for easy transfer to PCs for emailing, printing or sharing with other compatible Memory Stick™ devices.

— **Super SteadyShot® Picture Stabilization System**
An advanced version of Sony's SteadyShot® system that controls an even higher range of shake and vibration frequencies, to achieve an even higher level of smoothness without degradation of video like some other image stabilization systems.

— **On Screen Zoom and Record Buttons**
For additional control of the camcorder, the DCR-DVD405 features Zoom and Record buttons on the frame of the LCD screen. This allows the user more flexibility when holding the camcorder, especially in overhead or low angle shots.

— **USB 2.0 Interface**[4]
USB 2.0 interface provides an easy way to connect your DVD Handycam Camcorder to the computer for fast transfer of video and still images to your computer for editing. The camcorder can also be used as an external DVD burner, convenient for making copies of your DVDs or burning edited movies.

— **One Touch Wide Angle Shooting**
Easily switch between 4:3 and 16:9 aspect ratios for shooting, with just the touch of a button.

— **Progressive Shutter System**
A mechanical shutter system that provides progressive scan performance while utilizing an interlaced scanning system. Digital still images will be sharp and clear with excellent definition.

— **Active Interface Shoe**
Provides a location directly on the camcorder to which to add optional accessories while providing power and two-way communication to those accessories.

ADDITIONAL FEATURES

- Super NightShot® Infrared System
- Manual Focus
- Program AE (Auto Exposure) Modes
- Picture Effects
- Battery Information
- Easy Handycam Button
- Picture Package™ Software
- Fader Effects
- InfoLithium® Battery with AccuPower™ Meter System[1]

DVD+ReWritable

PictBridge

Picture Package™

HANDYCAM

like.no.other™

DCR-DVD405

DVD Handycam® Camcorder

Specifications

General

Imaging Device: 1/3" CCD
Pixel Gross: 3310K
Recording Media: 8cm DVD (DVD-R/DVD-RW/DVD+RW)
Recording and Playback Times: HQ: 20 min., SP: 30 min., LP 60 min.
Video Actual: 2048K Pixels
Still Actual: 3048K Pixels

Convenience

USB Streaming: N/A
SteadyShot® Image Stabilization: Yes (Super; Electronic)
Accessory Shoe: Active Interface Shoe
White Balance: Auto, Indoor, One-push, Outdoor
Memory Stick PRO™ Media Compatibility: Tested to support up to 2GB media capacity; does not support high speed transfer function; does not support Access Control security function.
Still Image Mode(s): JPEG
Minimum Illumination: 5 Lux (0 Lux with Super NightShot® Infrared System)
Low Light Capability: Super NightShot®

Inputs and Outputs

Analog Audio/Video Input(s): Yes (Multi A/V)
Analog Audio/Video Output(s): Yes (Multi A/V)
Digital Audio/Video Input(s): Yes (via USB)
Digital Audio/Video Output(s): Yes (via USB)
USB Port(s): Yes (2.0 compliant)
i.LINK® Interface: N/A
Component Video (Y/Pb/Pr) Output(s): N/A
Headphone Jack: N/A
Microphone Input: Yes (thru Active Interface Shoe)
Remote Jack: Yes (Mini Plug)
S-Video Input(s): Yes (optional accessory)
S-Video Output(s): Yes (optional accessory)

Hardware

LCD: 2.7" (123K Pixels Wide 16:9 Touch Panel SwivelScreen™ LCD Display)
Lens Type: Carl Zeiss® Vario-Sonnar® T*
Viewfinder: Color (123K Pixels)
Docking Station: N/A
Microphone: Yes (Built-in 5.1 Channel)

Optics

35mm Equivalent: 42.8-495mm (16:9 Camera Mode), 45-450mm (4:3 Camera Mode), 40.6-406mm (16:9 Memory Mode), 37-370mm (4:3 Memory Mode)
Aperture: f1.8-f2.9
Exposure: Touch Panel (24 steps)
Filter Diameter: 30mm
Focal Distance: 5.1-51mm
Focus: Full Range Auto, Manual (Touch Panel)
Progressive Shutter Mode: Yes
Shutter Speed: Auto, 1/4-1/4000 (AE Mode)
Optical Zoom: 10X
Digital Zoom: 120X

Power

Power Consumption: 4.2W/4.6W (VF/LCD)
Battery Type: InfoLithium® with AccuPower™ Meter System (NP-FP60)
Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)

Service and Warranty Information

Limited Warranty: 1 Year Parts; 90 Days Labor

Software

Operating System Compatibility: Microsoft® Windows® 2000 Professional, XP Home, XP Professional
Supplied Software: Picture Package™ ver. 1.8 and Nero Express 6

Video

Video Recording System: DVD-Video/DVD-VR/DVD+RW Video
Video Signal System: NTSC color, EIA standards
Analog-to-Digital Converter: Yes (Signal Convert)

Dimensions

Weight: 1 lb. 5 oz (590g) with Disc and Battery
Measurements: 2 5/8" x 3 5/8 "x 5 3/4" (66 x 90 x 143mm)

Supplied Accessories

Power Adapter/In-Camera Charger (AC-L200)
InfoLithium® Rechargeable Battery (NP-FP60)
Remote Commander Remote Control (RMT-835)
A/V Cable (Stereo)
Picture Package™ Software ver. 1.8 and Nero Express 6 (conversion Software)
USB Cable
Cleaning Cloth

Optional Accessories

DVD Starter Kit (ACC-DVDP2)
Rechargeable InfoLithium® Batteries (NP-FP50/FP71/FP90)
Travel Charger (BC-TRP)
AC Charger & Power Supply (AC-VQP10)
Filter Kit (VF-30CPKXS)
Wide Angle Lens (VCL0630X)
High Grade Wide Angle Lens (VCL-HG0730X)
Tele Conversion Lens (VCL-2030X)
High Grade Tele Conversion Lens (VCL-HG2030)
Video Light (HVL-HL1)
Video Light & Flash (HVL-HFL1)
Tripod (VCT-R640)
Pocket Tripod (VCT-MTK)
Soft Case (LCM-HCF)
Carrying Case (LCS-VA30)
Wireless Bluetooth™ Microphone with Center Channel Capability (ECM-HW1)
Stereo Microphone (ECM-HST1)
A/V Cable with S-Video (VMC-30FS)
Sports Pack (SPK-HCB)

UPC Code: 027242691278

BATTERY LIFE[1]

Battery[1] (Fully charged)	Continuous Record Time VF/LCD/LCD BckIt Off/VF+LCD	Continuous Playback Time LCD On/Off
NP-FP50	60/50/55/50 min	90/110 min
NP-FP60	95/85/90/85 min	110/120 min
NP-FP70	135/120/125/115 min	200/235 min
NP-FP71	160/145/155/140 min	235/280 min
NP-FP90	245/220/235/215 min	345/415 min

STILL IMAGE MODE[3]

Fine/Standard Picture Quality

DVD Media[6]	2016 x1512 3,0 MP	2016 x 1134 2,3MP (16:9)	1600 x 1200 1,9MP	640 x 480 VGA
DVD-R	810/1750	1050/2250	1250/2550	5100/8100
DVD-RW/Video	850/1850	1100/2400	1300/2700	5400/8600
DVD-RW/VR	850/1850	1100/2400	1300/2700	5400/8600
DVD+RW	740/1450	930/1750	1050/1850	2950/3800
Memory Stick Duo™ Media[5]				
8MB	5/12	6/16	8/18	50/120
16MB	10/24	13/32	16/37	96/240
32MB	20/48	27/65	32/75	190/485
64MB	40/98	54/130	65/150	390/980
128MB	82/195	105/260	130/300	780/1970
Memory Stick PRO Duo™ Media[5]				
256MB	145/355	195/470	235/540	1400/3550
512MB	300/720	400/960	480/1100	2850/7200
1GB	610/1450	820/1950	980/2250	5900/14500
2GB	1250/3000	1650/4000	2000/4650	12000/30000

1. Battery life may vary depending upon usage patterns. Designed for use with compatible Sony InfoLithium® batteries.
2. Playback on all home DVD players, computers, DVD drives, and PlayStation® 2 consoles cannot be guaranteed. Some players drives, and video game consoles lack the ability to read due to the optical reflection standard of DVD-R/RW disks and/or due to encoding incompatibilities. Refer to the specifications of your playback equipment for additional compatibility information.
3. Image size and files size may vary based upon the type and complexity of the image recorded.
4. Not all products with USB 2.0 connector may communicate with each other due to chipset variations.
5. Available storage capacity of Memory Stick and Memory Stick PRO media may vary. A portion of the memory is used for data management functions. Actual available memory in MBs is: 8=7.5, 16=15, 32=30, 64=61, 128=123, 256=220, 512=460, 1GB=940, 2GB=1.85GB.
6. Use of Sony DVD-R/-RW/ RW Media recommended. For third party media, confirm compatibility with manufacturer.

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Features and specifications subject to change without notice. Non-metric weights and measures are approximate.

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